

**ABSTRACT**

Disclosed is a position system and method for correcting the position of a workpiece during a manufacturing process. The system includes a light generating means for projecting a light beam onto the top surface of the workpiece at a predetermined angle and a video capturing means for detecting the light received by the workpiece. The light projected on the workpiece is scanned to determine the deviation direction and the deviation amount from a predetermined reference point, then the position of the work piece is adjusted based on a positional relationship between a digital image of the projected light on the surface of said workpiece and the predetermined reference image.